## **EAST Search History**

## **EAST Search History (Prior Art)**

| Ref<br># | Hits    | Search Query                                       | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|----------|---------|--|---|---------------------|---------|---------------------|
| L1       | 3126762 | subsequently subsequent\$4                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON ON   |                     |
| L2       | 3126762 | subsequent\$4                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR ON               |         | 2011/05/04<br>10:34 |
| L3       | 1515198 | thereafter   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR ON               |         | 2011/05/04<br>10:34 |
| L4       | 3941926 | 2 3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR ON               |         | 2011/05/04<br>10:34 |
| L5       | 110370  | RIE ( reactive near9 ion near9 ( etching etch\$4)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2011/05/04<br>10:35 |
| L6       | 185552  | anisotropically anisotropic<br>\$4                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR ON               |         | 2011/05/04<br>10:37 |
| L7       | 750924  | oxide near9 ( layer film )                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2011/05/04<br>10:38 |
| L8       | 326841  | upper near9 ( trench<br>groove recess )            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR ON               |         | 2011/05/04<br>10:39 |
| L9       | 44      | 4 same 5 same 6 same 7 same 8                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2011/05/04<br>10:40 |

| L10 | 1     | 9 same void same<br>( bottleneck bottle near2<br>neck) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/04<br>10:41 |
|-----|-------|--|---|----|-----|---------------------|
| L11 | 1     | 9 same void  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/04<br>10:42 |
| L12 | 1429  | (438/435,437,426).OOLS.                                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/05/04<br>10:44 |
| L13 | 5554  | (257/506,e23.002,e21.546).<br>CCLS.                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2011/05/04<br>10:52 |
| L14 | 3     | 9 and 12   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/04<br>10:52 |
| L15 | 3     | 9 and 13   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/04<br>10:52 |
| L19 | 83984 | ( reactive near9 ion near9<br>( etching etch\$4))      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2011/05/04<br>10:54 |

## **EAST Search History (Interference)**

| Ref# | Hits    | Search Query                                       | DBs            | Default Operator | Plurals | Time Stamp       |
|------|---------|--|----------------|------------------|---------|------------------|
| L16  | 1608237 | subsequent\$4                                      | USPAT;<br>UPAD | OR               | ON      | 2011/05/04 10:53 |
| L17  | 850460  | thereafter   | USPAT;<br>UPAD | OR               | ON      | 2011/05/04 10:53 |
| L18  | 52002   | RIE ( reactive near9 ion near9 ( etching etch\$4)) | •              | OR               | ON      | 2011/05/04 10:53 |
| L20  | 74573   | anisotropically anisotropic<br>\$4                 | USPAT;<br>UPAD | OR               | ON      | 2011/05/04 10:54 |
| L21  | 235384  | oxide near9 ( layer film )                         | USPAT;<br>UPAD | OR               | ON      | 2011/05/04 10:54 |
| L22  | 145919  | void   | USPAT;<br>UPAD | OR               | ON      | 2011/05/04 10:54 |

| L23 | 78569   | air near9 gap                           | USPAT;<br>UPAD | OR | ON | 2011/05/04 10:55 |
|-----|---------|---|----------------|----|----|------------------|
| L24 | 2029155 | 16 17                                   | USPAT;<br>UPAD | OR | ON | 2011/05/04 10:55 |
| L25 | 1046    | 24 same 18 same 20<br>same 21           | USPAT;<br>UPAD | OR | ON | 2011/05/04 10:56 |
| L26 | 149061  | upper near9 ( trench<br>groove recess ) | USPAT;<br>UPAD | OR | ON | 2011/05/04 10:56 |
| L27 | 22      | 25 same 26                              | USPAT;<br>UPAD | OR | ON | 2011/05/04 10:57 |
| L28 | 145919  | void                                    | USPAT;<br>UPAD | OR | ON | 2011/05/04 10:57 |
| L29 | 34752   | ( bottleneck bottle near2 neck)         | USPAT;<br>UPAD | OR | ON | 2011/05/04 10:57 |
| L30 | 0       | 27 same 28                              | USPAT;<br>UPAD | OR | ON | 2011/05/04 10:57 |
| L31 | 0       | 27 same 29                              | USPAT;<br>UPAD | OR | ON | 2011/05/04 10:57 |

## 5/4/11 11:23:19 AM

 $\textbf{C:} \ \, \textbf{Documents and Settings} \ \, \textbf{tnguyen31} \\ \ \, \textbf{My Documents} \\ \ \, \textbf{EAST} \\ \ \, \textbf{Workspaces} \\ \ \, \textbf{thinhnew2.wsp} \\ \ \, \textbf{Settings} \\ \ \,$